

➤ **Power System**

- * If the screen remains blank after pressing [on/off], please follow the steps listed below.
 - a. Please check if batteries are securely in place.
 - b. Adjust the contrast control to adjust the screen contrast for optimal screen viewing.
- * Please remove the main batteries to avoid leakage and damage to the unit whenever the unit is not used over an extended period of time.
- * Please use the rechargeable NiH battery pack that comes with the device.

➤ **Data Storage**

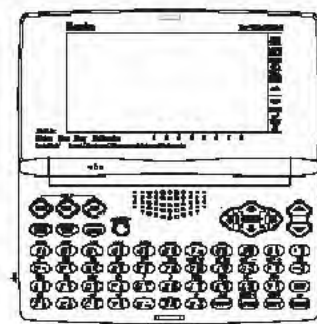
- * All important data should be copied onto separate permanent printed records. Any data loss caused by consumer (improper use, maintenance, battery replacement) is not covered by warranty.

➤ **Handwriting Recognition Operation**

- * To avoid scratching on the screen, use the stylus that comes with this device only.
- * Cleaning the screen lightly with a dry and soft cloth. Do not use volatile liquids.

➤ **Warning**

- * The unit is not waterproof, please keep it away from any liquid.
- * The screen may crack if the unit is dropped.
- * Some repair charge will be collected when the defect is caused by the user, even if the unit is still under warranty.

Keyboard Layout**Input System**➤ **Inputting English**

- * Press [Thai/Eng] to shift to English input mode; then enter English letters.
- * Press [shift] before inputting an English letter to shift it to upper/ lower case.

➤ **Inputting Special Symbols**

- * In the English input mode, press [Mark] key to select the special symbols.

➤ **Inputting Thai**

- * Press [Thai/Eng] to switch to the Thai input mode.

1. English and Thai Dictionary

- General vocabulary with clear Thai definitions.
- Input type:** smart input
- Search method:** Wildcard search -- replace the unknown letter(s) with "?" or "*".
- Secondary searches --** Spelling check, nearest word and user's dictionary.
- Provides example, grammar, synonyms, antonyms and phrases
- Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.
- English pronunciation for headword.



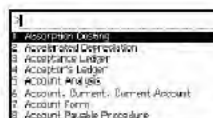
2. Thai and English Dictionary

- General vocabulary with clear English definition.
- Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.
- English pronunciation for highlighted words.



6. Management Science Dictionary

- Contains seven dictionaries: Accounting dictionary, Banking dictionary, Com-merce dictionary, Economic dictionary, Finance dictionary, Management dictionary and Marketing dictionary.
- English terms with Thai definitions.
- English pronunciation.
- Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.



7. Legal Dictionary

- Provides Legal Eng -Thai Dictionary and Legal Thai-Eng Dictionary.
- English pronunciation.
- Allows cross-searching among Eng -Thai Dictionary, Thai - Eng Dictionary and Longman Dictionary.



3. Longman English Dictionary

- General vocabulary with English definitions.
- Smart input.
- Wildcard search, cross search.
- Pronunciation for English headword and highlighted word.



4. Idioms and Phrases Dictionary

- English idioms and phrases with Thai definitions
- English pronunciation.
- Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.



5. Engineering Dictionary

- English words with Thai definitions.
- English pronunciation.
- Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.



8. Abbreviation Dictionary

- English terms with English definition.
- English pronunciation.
- Allows cross-searching among Eng -Thai Dictionary and Longman Dictionary.



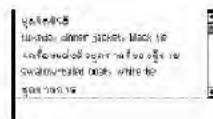
9. Homonym Dictionary

- English words with English homonyms.
- English pronunciation.
- Allows cross-searching among Eng - Thai Dictionary and Longman Dictionary.



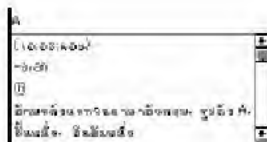
A. Useful Vocabularies

- Contains 10 categories and 74 subcategories.
- Useful vocabularies in both English and Thai.
- English pronunciation for highlighted word.
- Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.



B. TOEFL and Revision Dictionary

- * Tests vocabularies from Eng –Thai Dictionary and Longman Dictionary.
- * Provides four exercises: learning, review&test, recalling and practice.
- * Time counting and answer revision.



C. Dictionary Appendix

- * (Please complete features in this unit.)



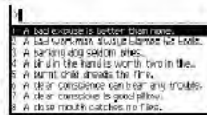
1. Travel Dialogues

- * Contains 10 main themes and 46 situations, altogether 719 sentences in nine languages
- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- * English, Chinese and Japanese pronunciations.



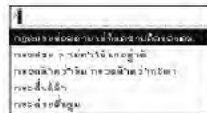
2. English Proverbs

- * English proverb with Thai definitions.
- * Allows cross-searching among Thai-English Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- * English pronunciation for the whole proverbs.



3. Thai Proverbs

- * Thai proverbs with English definitions.
- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- * English pronunciation.



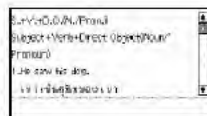
7. Adjectives

- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- * Thai definition.
- * English Pronunciation.



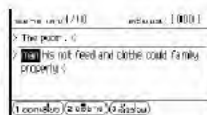
8. Verb Patterns

- * Contains 27 verb patterns.
- * Provides several examples in English and Thai for each pattern.
- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.



9. English Sentence Exercises

- * Rearrange the words of a sentence in correct order.
- * 7 levels of test difficulty.
- * Solution help: pronunciation, word explanation and clue.



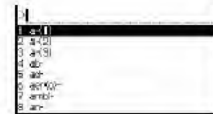
4. English Names

- * Male English names and Female English names with sources and meaning.
- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.



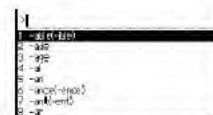
5. English Prefixes

- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- * Definitions in English and Thai.



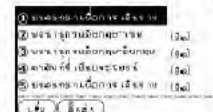
6. English Suffixes

- * Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- * Definitions in English and Thai.



A. Listening and Learning

- * Saves word first in each dictionary and in travel dialogues.
- * Listening and learning English words anytime, anywhere.
- * English pronunciation.
- * Setting: number of repetition, time interval and display selection.



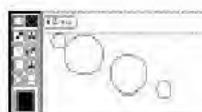
1. Note Taker

- Minimize your original handwriting or free writing.
- Data auto-saved.
- Data clear or deletion for current screen.



2. Paintbrush

- Drawing function.
- Provides on-screen tool for drawing.



3. Name Card Manager

- Allows to input data in Thai, English, numbers, and special symbols on the name card.
- Classified into four categories to store different cards.
- Searches name card through keywords and telephone number.
- Allows to create, input, save, categorize, edit, duplicate, modify and delete data.
- Allows to set a password for the security of saved data.
- Stores portraits with the name card.



4. Memorandum

- Searches data through titles and keywords.
- Allows to create, duplicate, modify, delete and save data.
- Allows to set a password for the security of saved data.



5. Personal Information

- Allows to create, modify, delete and save data.
- Allows to set a password for the security of saved data.



6. User's Dictionary

- Creates personal dictionary for searching.
- Allows to create, edit, delete and save data.
- Allows cross-searching among Thai - Eng Dictionary, Eng - Thai Dictionary and Longman Dictionary.
- English pronunciations for highlighted word.
- The create words can be looked up in the Eng - Thai dictionary and longman dictionary through secondary method.



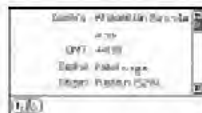
7. Telephone Information

- Contains information of International Dialing Guide, Country Code and Thai Area Code.



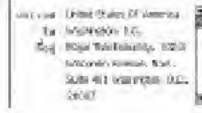
8. Travel Guide

- Provides detail information about 188 countries and their large cities.



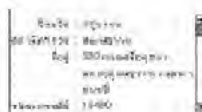
9. Thai Embassy Overseas

- Contains information about country, state, address, telephone, fax and homepage of Thai embassies overseas.



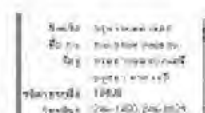
A. Police Stations in Thailand

- Contains information about province, district, telephone, post code and fax of the police stations in different areas.



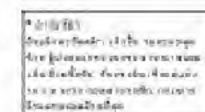
B. Hospitals in Thailand

- Contains information about province, hospital name, address, post code, telephone and fax of the hospitals in different areas.



C. Family Guide

- Provides helpful information about first aid, family doctor, family engineer and standard body weight.



1. Calculator

- 12-digit number calculation for four basic arithmetical operations.
- Storage functions: [MR], [MC], [M+], [M-]
- Conversion computing among binary, octonary, decimal and hexadecimal systems



2. Multi-Lines Calculator

- Four basic arithmetical operations.
- Ordinal data list for searching and modification.
- Stores up to 99 data entries.
- Stores all input data automatically.



3. Scientific Calculator

- Four basic arithmetical operations and functions.
- Conversion computation among octonary, decimal and hexadecimal systems.



depending on the entered variables.

7. Unit Conversion

- Converts various units of measure (length, area, volume, weight, temperature, etc.)
- Displays the conversion units and ratio.



8. Currency Conversion

- 17 popular currencies for conversion
- Computation among the exchange rate and quantity.



9. Size Conversion

- Tables of corresponding size of clothing and shoes in different countries.



A. Personal Finance

- Provides Expense, stock and loan management for record.



4. Graphic Calculator

- Provides general plotting and shade plotting.
- Graphs of functional equations.
- Displays four functional graphs simultaneously
- Graphic process: shift, trace and inequation for graphed equations



5. Statistical Calculator

- Four basic arithmetical operations and calculation functions.
- Statistically calculates uniform, linear regressions, logarithmic regressions, index regressions and power regressions based on the values entered
- Sorts, analyzes up to 100 entries.



6. Formula Calculator

- Provides mathematic formula used in area, volum, series, probability, geometry and triangle.
- Calculates formula



1. Local and World Time

- Displays time and date of the local city and other cities simultaneously.
- Provides 228 world cities for selection.
- time adjustable.
- Provides daylight saving setting. (Summer time)
- Alarm clock.



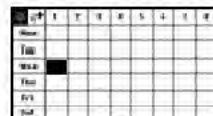
2. Schedule

- Displays weekly schedule.
- Allows to create, modify, save and delete schedule.
- Allows to set a password for the security of saved data.



3. Class Schedule

- Allows to create, modify and delete curriculum.
- Stores day and night class curriculum, including courses, teachers and places from Monday to Sunday.



8. Fortune Teller

- Tell fortune based on month, date and hour of birth of someone.
- Provides weight measurement of one's fortune in Chinese fortune teller.
- Provides curve chart to analyze how one's emotion, mental states and physical strength changed during a certain period of time.



9. Games World

- Eight games: 21 points, Square World, Gobang, Othello, Kongming Chess, Land Mines, Puzzles and Fruit Dishes.



A. Information Communication

- Allows to send and receive data.
- Allows to send single or all data from class schedule, paintbrush, name card management, etc.



4. Worked Hours Management

- Fills in either beginning day, ending day, total day or deducted day to figure out the ending day and total days.



5. Commemorative Days

- Stores solar and lunar commemorative days.
- Allows to set a password for the security of saved data.
- Allows to create, modify and delete data.



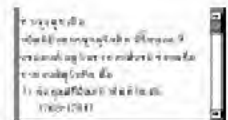
6. Lunar and Solar Calendar

- Allows to search any date of Solar & Lunar calendar from year 1881 to 2031.
- Allows to create schedule and commemorative day directly.
- Displays six months calendar.



7. Thai Charter of History

- List of major historic events in Thailand.



B. System setting

- Sets menu in Thai or English.
- Speech and tone adjustment.
- Sets the pen and key sound on or off.
- Sets start-up screen.
- Password set up and deletion.
- Sets the automatic power-off period.
- 12 or 24 hours for selection.
- Adjusts the touch panel.
- Deletes the whole group of personal data.
- Hot line service for customer contact.



C. System Status

- Displays the memory states and the saved data groups.
- Defrags the memory system.




```

100
Main screen
1 Press [F12] to scroll the screen up and down
2 Press [F12] for the previous or the next entry
3 Press [F12] for the previous or the next item
4 Press the corresponding number or alphabet key for access except when English
  Thai Dictionary is highlighted
5 If English/Thai Dictionary is highlighted, press any alphabet keys to access
  the Dictionary directly
6 Double tap the desired item for access
7 Choose the desired item and press [F12] for access
8 Press [F12] to shift between English and Thai mode
9 If English/Thai Dictionary is highlighted, press [F12] for access
10 Press [Main Menu] return to the Main screen

101
Main Menu 1
1 Press [F12] for the previous or the next item, then press [F12] for access
2 Press the corresponding number or alphabet key for access
3 Double tap the desired item for the submenu
4 Tap the desired submenu to see the details

102
Main Menu 2
1 Double tap the desired item or press number key for access

103

```

Spelling Check

1 Press [F12] for number key to try another action
 Spelling Check: checking along the words with similar spelling or pronunciation
 password word searching for the chosen word in alphabetical order
 password Dictionary searching in the user's Dictionary

104

Spelling List

1 Select the desired word and press [F12] for definition
 2 Double tap the desired word for definition

105

THAI_Eng_List

1 Tap on Thai Dictionary and press [F12] for definition
 2 Press [F12] to delete a character
 3 Press [F12] to scroll the screen up and down

106

THAI_Eng_Def

1 Press [F12] for the previous or the next entry
 2 Press [F12] to highlight the unknown word or character and tap Dictionary on the lower screen to search for its definition
 3 Press [F12] to highlight more than one word or character

107

English_Def1

1 Press [F12] to scroll the screen up and down

English_List

1 Key is as English word or phrase, then press [F12] for the definition
 2 Press [F12] to scroll the screen up and down for a single letter
 3 Press [F12] for a list of letters with the Thai symbols that are attached
 4 Press [F12] to delete a letter
 5 Press [F12] to scroll the screen up and down for the desired item

108

English_Def2

1 Press [F12] to scroll the screen up and down
 2 Press [F12] for the previous or the next entry
 3 Press [F12] for English pronunciation
 4 Tap [F12] the upper right corner to continuously current headword in English
 English Dictionary
 5 Tap the bottom in the lower screen to see the corresponding details
 6 Example: Showing all the example sentences
 7 Showing the original part of speech
 8 Showing the related words of the headword
 9 Showing the grammatical information
 10 Information: synonyms, antonyms and some confused words
 11 Press [F12] to highlight the unknown word or character and tap Dictionary on the lower screen to search for its definition
 12 Press [F12] to highlight more than one word or character
 13 Press [F12] save the current entry in the personal Dictionary

109

1 Press [F12] for the previous or the next entry

2 Press [F12] for English pronunciation

3 Message of the symbols is English and words

4 Press word choose English words

5 Press A and B can be swapped

6 Press [F12]

7 Press [F12]

8 Tap [F12] to show the example sentences

9 Tap [F12] to show some example sentences

10 Press [F12] to highlight the unknown word or character and tap Dictionary on the lower screen to search for its definition

11 Press [F12] to highlight more than one word or character

12 Tap [F12] on the lower screen to see the original part of speech

13 Press [F12] save the current entry in the personal Dictionary

110

Custom screen

1 Key is a word or phrase, then press [F12] for the definition
 2 Press [F12] to delete a letter
 3 Tap the desired item and press [F12] for definition
 4 Press [F12] to scroll the screen up and down

111

Custom view

1 Press [F12] to scroll the screen up and down
 2 Press [F12] for the previous or the next entry

170 collect a mistake, while the two boys, of whom I have just mentioned, walked the road and were, indeed, a small crowd around on it's left, then

```
press (left)/right to move the symbol to a new position and press (enter)/right to
insert the word
```

Before you have finished a sentence, your words will be displayed as points as
a path while the highest score is in points

```
end
```

```
initial_menu_dialog
```

```
1 select 1, press the corresponding numeric keys to choose a subcategory
```

lookup 2-1, double tap the icon of press (home) to set its position, the icon
can be set directly if it has been saved before

```
1 tap (home) to start listening comprehension
```

```
1 tap (setting) for function settings
```

```
end
```

```
main_menu_menu
```

1 tap the text icons on the screen, then tap + to set the value of the number of
repetition and time interval

1 you can also set the display selection to off to enable the display when
listening comprehension

```
end
```

```
note_editor
```

1 you are allowed to write on the screen with the stylus, your original
handwriting will be optimized and positioned to the place where the cursor is

1 press space to enter a space

```
1 tap (delete) to remove a whole line
```

1 press (multiple) the key icons to remove an empty stage before the cursor

```
1 tap (clear) to remove all the articles from the screen
```

1 the same cards have been classified into several categories by the small
triangle in the upper-left corner to select the category to be displayed

1 names and (phone)/address/numbers are shown in the same card list

```
1 press (select)/home key to select a name card
```

1 double tap the desired name card to see the details

```
1 tap (new) to add a new name card
```

```
1 tap (delete) to delete the highlighted name card
```

```
1 tap (lookup) to lookup a name card with its phone number or address
```

```
1 tap (new) to add a new card, it displays the added name card
```

1 if a portrait has been added to a name card, a portrait icon appears on the
card, tap the icon to display the specified portrait

```
end
```

```
namecard_view
```

```
1 press (select)/right to view the previous or the next name card
```

```
1 tap (new) to add a new name card
```

```
1 tap (new) to edit the content of the name card
```

```
1 tap (delete) to delete the name card
```

```
end
```

```
namecard_edit
```

```
1 tap (new line) to insert a line
```

```
1 tap (del line) to delete a whole line
```

```
1 tap the portrait icon to choose a portrait for this name card
```

```
1 tap the location icon to location the name card
```

```
1 press (home) to save the name card
```

```
1 press (home) to select a line
```

```
end
```

```
photo_editor
```

1 press (select)/right to choose a file name and the corresponding drawing
will be processed

```
1 press (delete) to confirm the selection
```

```
1 tap (new) to add a new drawing
```

```
1 tap (delete) to delete the highlighted drawing
```

```
end
```

```
photo_view
```

```
1 press (select)/right to view the previous or the next drawing
```

```
1 tap (new) to add a new drawing
```

```
1 tap (delete) to delete the current drawing
```

```
1 tap (delete) to delete the current drawing
```

```
end
```

```
photo_editor
```

1 choose the painting tools from the screen tool bar, tap and drag on the
screen to make some drawings

```
1 tap (clear) to remove all the drawings from the screen
```

```
1 press (home) save the graph
```

```
end
```

```
namecard_list
```

```
end
```

```
namecard_editor
```

1 tap small triangle in the upper-left corner to choose the ways to lookup a name
card

1 key in the phone No. or address, then press (lookup) search

```
end
```

```
portrait_editor
```

1 different style of portraits and facial features are provided

1 choose the portrait and features, the unit will compare them to make up your
favorite portrait

```
1 tap (confirm) view the portrait in the preview box accordingly
```

```
1 tap the small triangle in the upper screen to choose the facial features
```

```
1 tap (clear) to remove the facial feature from the portrait
```

```
1 tap (delete) to delete the previous box
```

```
1 press (home) to confirm your selection
```

```
end
```

```
name_list
```

```
1 press (select)/right to select a name
```

1 double tap the desired name to see the details

```
1 tap (new) to add a new name
```

```
1 tap (delete) to delete the highlighted name
```

```
1 tap (lookup) to lookup a specified name
```

```
1 tap (new) to add a new name, it displays the added name
```

```
end
```

memo_view

- 1. Press to view the previous or the next memo.
- 2. Tap to add a new memo.
- 3. Tap to edit the current memo.
- 4. Tap to delete the current memo.

memo

memo_edit

- 1. Key in the title and content.
- 2. Tap to insert a link.
- 3. Tap to delete a whole line.
- 4. Tap the icon to lock/unlock the current memo.
- 5. Press to save the current memo.

lock

memo_search

- 1. Tap the small triangle in the upper-left corner to choose the keys for search.
- 2. Key in the title or keyword, then press for search.

memo

memo_list

- 1. Press to select a data.
- 2. Double tap the selected data to see the details.
- 3. Tap to add new data.
- 4. Tap to delete the highlighted data.
- 5. Tap to lock/unlock to display/edit the locked data.

- 1. Press to view the previous or the next word.
- 2. Tap to add a new word.
- 3. Tap to edit the data.

- 4. Tap to delete the current word.
- 5. Press to highlight the keyword used as character and tap to see the lower screen to search/look for its definition.
- 6. Press to highlight while this use word or character.

word

word_edit

- 1. Key in the keyword and the content.
- 2. Tap to insert a link.
- 3. Tap to delete a whole line.
- 4. When input the content, press to edit keyword, definition and this word.
- 5. Press to save the current word.

word

word_expense_subgroup, word_subgroup

- 1. Press to view the expenditure statistics.
- 2. Double tap the item or press the corresponding numeric keys.

word

word_expense

- 1. Press to view the details.

word

word_country

word

word_edit

- 1. Press to view the previous or the next data.
- 2. Tap to add new data.
- 3. Tap to edit the data.
- 4. Tap to delete the current data.

word

word_edit

- 1. Key in your personal information.
- 2. Tap to insert a link.
- 3. Tap to delete a whole line.
- 4. Tap the icon to lock/unlock the current data.
- 5. Press to save the current data.

word

word_edit_list

- 1. Key in a word or phrase, then press for definition.
- 2. Press to select for desired word.
- 3. Double tap the desired word or press the corresponding numeric keys for its definition.
- 4. Tap to add a new word.
- 5. Tap to delete the current word.

word

word_edit_view

- 1. Key in the country name or press to display the country code.

word

word_country_list, word_list

- 1. Press to choose the country name and press .
- 2. Double tap the item or press the corresponding numeric keys.

word

word_country_detail

- 1. Press to view the details.
- 2. Tap the initial to display the main cities of the country.

word

word_country_list

- 1. Press to view the details.

word

word_expense_list

- 1. Press to choose the country which has a total expense.

word

word_expense_detail

- 1. Press to view the details.

word

word_list

1 Press `pygame.key.get_pressed()` to choose the place which has a police station.

240

`police_detail()`

1 Press `pygame.key.get_pressed()` to view the details.

250

`hospital_list()`

1 Press `pygame.key.get_pressed()` to choose the place which has a hospital.

300

`hospital_detail()`

1 Press `pygame.key.get_pressed()` to view the details.

350

`family_list()`

1 Press `pygame.key.get_pressed()` to highlight the item and press enter.

2 Double tap the desired item or press the corresponding numeric keys to access assembly.

400

`family_detail()`

1 Press `pygame.key.get_pressed()` to choose the desired item.

3 Double tap the desired item or press the corresponding numeric keys.

450

`family_detail()`

pygame.convert() to memory system.

pygame.convert() to memory system.

3 The explanation of some symbols displaying on the screen.

4 Remove values already saved in the memory.

5 In the error information.

6 In the negative value.

500

`main() list()`

1 Press values and arithmetic signs, then tap `g` to process the calculation.

2 Tap `del` to delete the current entry.

3 Tap `del` to delete `pygame` to clear all the entries from the screen.

4 Press `pygame` to load up the list to be changed, tap on the list or scroll the content of the list in the text box then input the new entry and tap `g` to get the new result.

550

`main()`

1 Select type of commission and the commission value in the first list.

2 Enter a value, then press `enter` to process the calculation.

3 Tap `clear` to remove all the values.

600

`main() key()`

1 Enter a value in the numeric box.

2 Enter the percentage rates in the second directly.

3 Press `pygame.key.get_pressed()` to load up other currencies.

1 Press `pygame.key.get_pressed()` to view the details.

650

`family_weight()`

1 Input your weight in the corresponding text boxes.

2 Tap the `pygame` buttons beside the text box to increase or decrease the values.

700

`main() list()`

1 A set of operation symbols are specified below.

2 Tap `del` to delete the last number.

3 Tap `all` to clear.

4 Tap `clear` to clear all the values.

5 Tap `square root` to get.

6 Tap `sin` to get the value.

7 Tap `percentage` to get.

8 Tap `equal to`.

9 Tap `pin` to save the value.

10 Tap `pin` to save the value.

11 Tap `memory` to display.

12 Tap `memory` to clear.

13 Tap `enter` to save the value.

4 Tap `enter` to start using the loaded system.

14 Tap `convert` to decimal system.

15 Tap `convert` to hexadecimal system.

1 Press `main` to get the results.

2 Tap `clear` to remove all the values from the screen.

750

`main()`

3 If the information exceeds the screen, some directional indicators will be displayed.

4 Tap the indicators or press `pygame.key.get_pressed()` to view other information.

800

`distance_expense_list()`

1 Press `pygame` to choose an item and press `enter` to access.

2 Double tap an item or press the corresponding numeric keys to access directly.

3 Press `enter` to return to the previous screen.

850

`distance_expense_list()`

1 Double tap an expense item for the details.

2 Tap the small triangle at the upper screen to expand its expense category.

3 Tap `delete` to add up your expense in a certain period.

4 Tap `enter` to expand the expense information.

5 Tap `enter` to add a new expense item.

6 Tap `delete` to delete the highlighted expense item.

7 Tap `enter` to save the value as an integer or a decimal value.

8 Tap `enter` to load up the loaded to display the loaded expense data.

```

end

@function expense_category
1. When categories are provided then  $\text{update}(\text{expense\_category})$  to store the categories
2. Select a category and input a new value
3. Press save to save the new value

end

@function expense_balance
1. Tap the small triangle to choose an expense category
2. Enter the beginning and ending date in the text boxes. You can also tap the small icon after the box to choose a date
3. Tap retrieve to see the result. The result will be shown in the lower text box

end

@view
@function expense_view
1. Tap save to add a new expense data
2. Tap retrieve to view the current expense data

end

end

@view
@function expense_edit
1. Tap the small triangle to choose an expense category
2. Enter the value or information in the text boxes
3. Tap the lock/unlock icon to lock/unlock the current data
4. Press save to save the data

end

end

@view
@function stock_edit
1. Tap the small triangle to choose stock category, stock and account
2. Enter the stock information in the text boxes
3. Tap the lock/unlock icon to lock/unlock the current data
4. Press save to save the data

end

end

@view
@function savings_edit
1. Double tap a data for new details
2. Tap the small triangle in the upper left corner to choose saving or loan
3. Tap retrieve to add up the data in a certain period
4. Tap save to add a new data
5. Tap delete to delete the highlighted data
6. Tap press lock/unlock icon to lock/unlock the current saving data

end

end

@view
@function savings_new_edit
1. Tap the small triangle to choose saving or loan and the currency
2. Enter the saving data. You can also tap the small icon after the box to choose the date
3. Enter the bank, deposit and interest percentage
4. Tap the lock/unlock icon to lock/unlock the current data
5. Press save to save the data

end

end

```

```

1. Double tap a stock data for its details
2. Tap the small triangle in the first two lines to choose the categories
3. Tap retrieve to add up your profits or losses
4. Tap delete to delete the categories
5. Tap save to add a new stock data
6. Tap delete to delete the highlighted stock data
7. Tap retrieve choose order or number, then all the stock data will be rearranged according to the original input order or the sequence of the stock numbers
8. Tap view lock/unlock icon to display/hide the locked stock data

end

end

@function stock_balance
1. Highlight the desired item and press (retrieve) to access
2. Tap the lock/unlock icon and press (retrieve) to confirm
3. Tap retrieve to see the result
4. Press save to return to the previous screen

end

end

@view
@function stock_balance
1. Press  $\text{update}(\text{stock\_balance})$  to view the stock data
2. The total results are displayed in the lower boxes

end

end

@view
@function stock_view
1. Tap (save) to add a new stock data
2. Tap retrieve to view the current stock data

end

end

@function savings_view
1. Tap (save) to add a new data
2. Tap retrieve to view the current data

end

end

@view
@function public_getter
1. Tap the small triangle to choose the currency
2. Enter the beginning and ending date in the text boxes. You can also tap the small icon after the box to choose a date
3. Tap retrieve and the result will be shown in the lower text box

end

end

@view
@function function_getter
1. Enter mathematical expression
2. Tap retrieve to clear the screen, and press  $\text{function\_getter}$  to delete them one by one
3. Tap (save) to select mathematical functions. Press  $\text{function\_getter}$  to highlight the desired function and press (delete) to confirm
4. Tap the highlighted symbol in the upper left corner to shift among the function systems

end

end

@view decimal
@view scientific
@view ordinary
@view binary
@view degree
@view radius

```

```

press jk1234567
cross jk1234567 to get the result

end

@script_general1
(when trigonometric equations)
step jk1234567 to clear the screen, and press jk1234567 to delete them one by one
step jk1234567 to select trigonometric functions press jk1234567 to highlight the
desired function and press jk1234567 to confirm
step the small triangle in the upper left corner to select the plotting type
step jk1234567 to set the range of the variables
step jk1234567 to display the plotting

end

@script_range
(when values to define the range of the variables)
step jk1234567 to overwrite with the default values
step jk1234567 to select trigonometric functions press jk1234567 to highlight the
desired function and press jk1234567 to confirm
step jk1234567 to setting the value and return to the previous screen
step jk1234567 to remove all the values

end

@script_evaluation
step jk1234567 to select a tool to view the plottings

end

step jk1234567 to remove all the values

end

local time_initial
(when first alarm to set the daily alarm)
step jk1234567 to set time to set the system time
step jk1234567 to set daylight saving time, a special instance will be shown
step the time of one local city and 3 other cities are displayed press
jk1234567 to move the cursor, and press jk1234567 to select the displayed
city

end

local time_cities
(when in the case of the city on press jk1234567 to select a city, then
press jk1234567 to confirm)
step jk1234567 to tap the area to select a city correctly

end

local time_alarming
(when the alarm time by pressing number keys or tap the lock after the box to
set the time)
step jk1234567 to select an available time using a touch screen, and
set the time system is timesystem settings
step the box to set the alarm on
step jk1234567 to confirm or cancel to cancel the setting

end

local time_time

```

```

@script_general2
step jk1234567 to select a tool to view the plottings
step jk1234567 to select a tracing mode
step jk1234567 to the select the inequalities

end

@script_general3
(when is values and press jk1234567 to confirm)
step jk1234567 to select a specified value and modify it's value
step jk1234567 to remove all the values
step jk1234567 to select trigonometric functions press jk1234567 to highlight the
desired function and press jk1234567 to confirm
step jk1234567 to select a calculation type
step jk1234567 to select a method to manage the requested values

end

@script_help
(when jk1234567 to select a group of the formulae and press jk1234567 to
confirm)
step the corresponding numeric type or double tap the item directly

end

@script_report
(when the cursor to the specified item and tap jk1234567 to see the meaning of this
item)
step jk1234567 to show the result after confirming the address number
step jk1234567 to select trigonometric functions press jk1234567 to highlight the
desired function and press jk1234567 to confirm

end

(when data and time by pressing number keys or tap the lock after the boxes to
set the date and time)
step jk1234567 to select an available date using a touch screen, and
set the time system is timesystem settings
step jk1234567 to confirm or cancel to cancel the setting

end

@script_schedule
(when select a specified date and press jk1234567 to view the schedule on the date)
step jk1234567 to add a new schedule
step jk1234567 to view the schedule in a whole week

end

@script_schedule_day
(when select a schedule and press jk1234567 to the details)
step jk1234567 to add a new schedule
step jk1234567 to select the highlighted item
step jk1234567 to view the schedule in a whole week
step the touch screen has locked to display the listed schedules

end

@script_schedule_weekly
(when jk1234567 to select a date)
step jk1234567 to show the detailed schedule of the date
step jk1234567 to return to the previous screen

end

```


`schedule_detail`

1.Press `up/down` to scroll the screen up and down.
2.Press `pageup/pgdn` to view the previous or the next schedule.
3.Step `1` new to add a new schedule.
4.Step `0` edit to modify the current schedule.
5.Step `9` delete to delete the current schedule.
6.Step `6` weekly schedule to view the schedule on a whole week.

END

`schedule_edit`

1.Tap the corresponding lines to edit the schedule.
2.Set date and time by pressing number keys or tap the icons after the date to set the date and time.
3.Press `OK` or `ESC` to select one of previously saved data when using a touch system, you can set how many system is timesystem settings.
4.Tap the lock/unlock icon to lock/unlock the schedule.
5.Tap `del` line to add a new line.
6.Tap `del` line to delete a whole line.
7.Press `save` to save the current schedule.

END

`schedule_add`

1.Tap the corresponding lines to edit the schedule.
2.Set date and time by pressing number keys or tap the icons after the date to set the date and time.
3.Press `OK` or `ESC` to select one of previously available when using a touch system, you can set how many system is timesystem settings.

5.Step `0` delete to delete current item

END

`time management`

1.Input data in the text boxes except hours (Hr), (Min) or (Total) displayed to be rejected, it depends on which item to be calculated.

beginning the beginning date of the project

ending the ending date of the project

Total days-total working days of the project

Total total working hours of the project, it will be calculated automatically.

Hours a week-total working hours per week, starts from Monday

Hours a day-total working hours per day

Deducted day total holidays to be deducted.

5.Step `working` (total days) to calculate the hours.

6.Step `done` to end the initial settings

END

`commemorative day_items`

1.Select the desired item, then press `enter` to go for the details.

5.Step `1` new to add a new item

6.Step `0` delete to delete the highlighted item

7.Step `0` and `lock/unlock` icon `lock/unlock` to display the locked items

8.Tap the small triangle in the upper-left corner to select color or label calendar

END

`commemorative day_detail`

1.Tap the lock/unlock icon to lock/unlock the schedule

5.Tap `del` line to add a new line

6.Tap `del` line to delete a whole line

7.Press `save` to save the current schedule

END

`related_date_modify`

1.Press `up/down/left/right` to select the period.

2.The selected date has a triangle

3.Tap the icon in the upper-left corner or press `pageup/pgdn` to shift between daylight data systems

4.Press `enter` to view or edit the specified date

END

`times_editmode`

1.Enter data in the corresponding columns

2.Press `enter/pgdn` to shift among the columns

3.Press `enter` to store the data

4.Press the small triangle to select date and period

5.Tap `del` line to add a new line

6.Tap `del` line to delete a whole line

Only a English letters are allowed to be entered for each period

END

`times_modify`

5.Tap `0` edit to edit the data

7.Press `up/down` to scroll the screen up and down

8.Press `pageup/pgdn` to view the previous or the next schedule

9.Step `1` new to add a new item

10.Step `0` edit to edit the current item

11.Step `0` delete to delete the current item

END

`commemorative day_edit`

1.Input the date and the content and the date with number keys or the icon after the day

2.Tap the lock/unlock icon to lock/unlock the current item

3.Tap `del` line to add a new line

4.Tap `del` line to delete a whole line

5.Press `save` to save the item

END

`commemorative day_add`

1.Input the date and the content and the date with number keys or the icon after the day

2.Tap the lock/unlock icon to lock/unlock the current item

3.Tap `del` line to add a new line

4.Tap `del` line to delete a whole line

5.Press `save` to save the item

END

`calendar_view`

1.Tap the year and month between the small triangles and input the date

```

1 Press <pageUp> to view the previous or the next month.
2 Tap <today> to highlight the date of today.
3 Tap <six months> to view six months calendar in a full screen.
4 Double tap the date to view the solar date, lunar date, schedule and commemorative days.

End
Calendar_six_months

1 Tap <pageUp> to view the previous or the next six months.

End
Calendar_half)

1 Tap the year and month between the small triangles and input the date.
2 Press <pageUp> to view the previous or the next month.
3 Tap <today> to highlight the date of today.
4 Tap <six months> to view six months calendar in a full screen.
5 Double tap the date to view the solar date, lunar date, schedule and commemorative days.

End
Solar_date

1 Input a solar date with numeric keys or set with the icon after the icon.
2 Tap <OK> to confirm.
3 Tap <Cancel> to cancel the operation and return to the previous screen.

End
Lunar_date

End
Structure_better_curve

1 Tap the small triangle in the upper-left corner to select solar or lunar calendar.
2 Input your birthday or tap the icon after the icon to select a date.
3 Input current date or tap the icon after the icon to select a date.
4 Tap <OK> to select a curve.
5 Tap <pageUp> and <pageDown> to display the corresponding information.

End
Game_menu

1 Press <pageUp> or <pageDown> to select a game, then <pageUp> to select a mode.
2 Double tap a game or press the corresponding numeric key to access the game directly.

End
Game_1)

1 You must decide your stone first and then tap <OK> to start. If neither you nor the computer has a blackjack after distribution, you will be allowed to select <pass> or <stand>.
2 <pass>: the new card will be distributed.
3 <stand>: compare the cards with the dealer's.
4 In certain conditions, you can select <double> or <split>.
5 Double double your stake.
6 <pass> again: when you get 3 same cards after distribution, tap to divide your cards into two groups.
7 When you get an ace and one of K,Q,J,10, that's blackjack and you are unbeatable.

```

```

1 Input a lunar date with numeric keys or set with the icon after the icon.
2 Tap <OK> to confirm.
3 Tap <Cancel> to cancel the operation and return to the previous screen.

End
Game_menu

1 Press <pageUp> or <pageDown> to view data.

End
Structure_better_curve

1 Select the icon and press <pageUp> to access.

End
Structure_better_curve

1 Tap the small triangle in the upper-left corner to select solar or lunar calendar.
2 Input your birthday or tap the icon after the icon to select a date.
3 Tap the small triangle to select birth time.
4 Tap <pageUp> and <pageDown> to display the corresponding information.

End
Structure_better_curve

1 Press <OK> to return to the previous screen.

End
Game_menu

1 The highest point is 21, your cards become invalid if you have got over 21 points.
2 The 1-4th numbers are counted directly.
3 The K,Q,J,10 counted as 10 points.
4 As far as the entry, the 0 is counted as (-10) points.
5 Tap <OK> to see the initial condition and rules.
6 Every initial money, the range is 100-1000.
7 The stake minimum stake is 5 game, the range is 0-100.
8 1-4 points 1-4 points will be used in the game.
9 Attack or split 0 points the player must select <attack> if he got an ace and 4 more points from the other cards.
10 After after separating ace cards allow to attack after dividing your cards.

End
Game_rules

1 Slightly unlike the common black game, this game is to eliminate 1 adjacent blocks with the same letter.
2 Press <pageUp> or <pageDown> to select which includes 1 letter or 2 letters down.
3 <pass>: the location of the letters.
4 <split>: move faster.
5 <stand>: move the blocks to the left.
6 <pass>: move the blocks to the right.
7 1) adjacent blocks with the same letter will be eliminated if they are small arranged vertically, horizontally or diagonally.
8 The more blocks you eliminate simultaneously, the higher score you'll obtain.
9 Includes points.
10 Includes points.

```

```

1 blocks is points;
2 blocks is points;
3 blocks is points;
4 blocks is points;
5 blocks is points;
10 blocks is points;
11 blocks is points;
every time you reach elimination 4 blocks, the game will turn into a figure level, so much, the falling speed will be faster;
the game is over if the blocks can not fall down anymore and exceed the game area;
Tap game to stop the game for a while press any key to continue;
Tap game to start a new game;

```

```

end
game_2
1.You win when you succeed in placing five pieces in a row vertically, horizontally or diagonally;
2.Tap game to start a new game;
3.Tap block, the unit will demonstrate the game;
4.Tap game to get a clue for the next step;
before you get start, you can tap game to select white side,however, the black side has the priority to place the first chess piece;
5.Press apple to highlight to move the piece;
6.Press power to select to place the chess piece;
end

```

```

1.Look for all the explosive mine in the minefield without striking any of them.
The game is over if you tap on a block with a mine;
2.The level to start a new game;
3.The level to set the level of difficulty, customize the board size and the number of the minefield points, the following items will be shown;
Height: minimum 3 blocks;
Width: minimum 4 blocks;
Mines: minimum 4 mines must less than the total blocks;
4.The time will start at the minute the first block is captured a figure mine on the captured block, it indicates the total number of the mines laid in adjacent blocks;
5.If you are certain of the existence of mine under a block, tap the flag icon on the upper right corner, then tap the block to mark it with the flag;
6.If you are uncertain whether there is a mine under the block, tap flag icon, then double tap the uncertain block to mark it with a question mark;

```

```

end
game_random;
show the number on the goal to encourage them find correct mine;
press correct key to open or tap to close to choose the board mine;
3.Tap game to start a new game;
4.Tap the random block to move it;
end
game_flag;
1.7+ kind of fruits will be displayed, please move and exchange the fruits, if you move from same kind of fruits are arranged in a row vertically, horizontally or diagonally, the fruits will be eliminated;
2.Tap game to start a new game;

```

```

game_black_and_white;
1.Place a chess piece to mark the opponent's position in the middle of your chess place, your opponent's chess pieces will then fall into yours, you will if your chess pieces occupy more squares;
2.Tap game to start a new game;
3.Tap game to set the level of difficulty;
4.Tap block, the unit will demonstrate the game;
5.Before you get start, you can tap game to select white side,however, the black side has the priority to place the first chess piece;
6.Press apple to highlight to move the piece;
7.Press power to place the chess piece;

```

```

end
game_hanging;
1.The chess piece is allowed to leap over the adjacent horizontal or vertically chess piece, the latter will be eliminated from the board you win when the last chess piece was left in the middle of the board;
2.Tap game to start a new game;
3.Tap game to select the level of difficulty;
4.Tap game to cancel the previous step;
5.Press apple to highlight to move the piece;
6.Press power to select a chess piece the selected grid will be highlighted, then move the piece to the desired position, press power again to confirm the movement;

```

```

end
game_10minutes;

```

```

1.Tap a fruit highlight the block, then tap another block to move the fruit;
2.Every time you move a fruit, there will be 4 more fruits appear on the board randomly;
3.The game is over if there are less than 3 blocks left on the board;

```

```

end
game_black_rotation;
1.Press the corresponding number key to choose the function;
end
game_black_all_turn;
1.Press apple to highlight to select an item to be sent;
2.Press power to send all the items of the highlighted item;
3.Press game to return to the previous screen;

```

```

end
game_black_choose;
1.Press apple to select an item to be sent;
2.Press power to select a mine;
3.Press game to send the highlighted block;
4.Press game to return to the previous screen;
end
game_choose;
1.Press game to return to the previous screen;

```

```

end

```

```

SETTING_INITIAL
| Press the corresponding numeric key to access the function.
| Press ENTER to return to the previous screen.

END

SETTING_MENU, MENU, OPENING SETTING, PASSWORD SETTING, FOUR SPACES
| Press F4/F10 for the corresponding numeric key.
| Press ENTER/F10 to confirm.

END

SETTING_SPEED
| Press F4/F10 to shift between speed and time.
| Press (Left/Right) to adjust the settings.
| Press ENTER/F10 to confirm.

END

SETTING_NEW_PASSWORD
| Key in the old password, then key in a new password up to 8 characters, either
  number or alphabet.
| Key in the new password again and press ENTER to confirm.

END

SETTING_INPUT_PASSWORD
| Key in a new password up to 8 characters, either number or alphabet.
| Key in the password again and press ENTER to confirm.

END

```

```

| Press ESC to return to the previous screen.

```

```

END

STATUS_MEMORY usage, DATA GROUP, MEMORY REFRAGMENT
| Press ESC to return to the previous screen.

```

```

SETTING_UNLOCK
| Key in the password.
| Press ENTER to confirm.

END

SETTING_DELETE_PASSWORD
| Key in the password.
| Press ENTER to confirm.

END

SETTING_LOCK_PASSWORD
| Key in the password and press ENTER to access the menu.

END

SETTING_GAR OFF
| Press (Left/Right) to adjust the power OFF time.
| Press ENTER to confirm and ESC to cancel.

END

SETTING_UPDATE
| Press (F4/F10/Left/Right) to select its item.
| Press ENTER to confirm.

END

STATUS_INITIAL
| Press the corresponding numeric key to access the function.

```